

NWS Form E-5 U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE MONTHLY REPORT OF HYDROLOGIC CONDITIONS	HYDROLOGIC SERVICE AREA: Pocatello, Idaho
	REPORT FOR: MONTH: November YEAR: 2010
TO: Hydrologic Operations Division, W/OH2 National Weather Service National Oceanic and Atmospheric Administration Silver Spring, Maryland 20910	SIGNATURE Troy Lindquist Service Hydrologist
DATE: December 15, 2010	
When no flooding occurs, include miscellaneous river conditions, such as significant rises, record low stages, ice conditions, snow cover, droughts and hydrologic products issued (NWS Instruction 10-924).	

☐ **An X in this box indicates that no flooding has occurred for the month within this hydrologic service area.**

Overview

November began mild and dry but turned out to be a wet month across the Hydrologic Service Area (HSA). By the end of the month 40 of the 44 reporting stations with climate data received greater than 100 percent of normal precipitation.

High pressure dominated the first week of November resulting in mild and dry conditions. High temperatures ranged from the mid 50s to near 70 across the valleys. A record high of 67 degrees occurred at the Pocatello ASOS on November 4, and 69 degrees at the Idaho Falls ASOS on November 6.

An active weather pattern developed the second week of November and continued through the end of the month. On the 7th and 8th a cold front swept across the area bringing widespread snow to the mountains and rain and snow to the lower valleys. Snowfall of 4 to 9 inches affected much of the Upper Snake River Plain and eastern highlands. An unsettled northwest flow pattern dominated the 10th through the 17th with occasional disturbances producing moderate snow in the mountains and light rain and snow in the lower valleys.

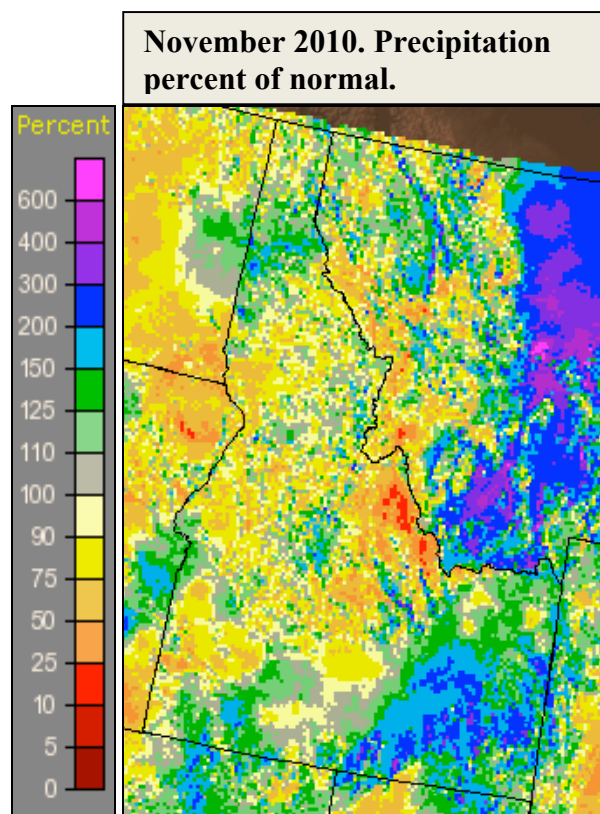
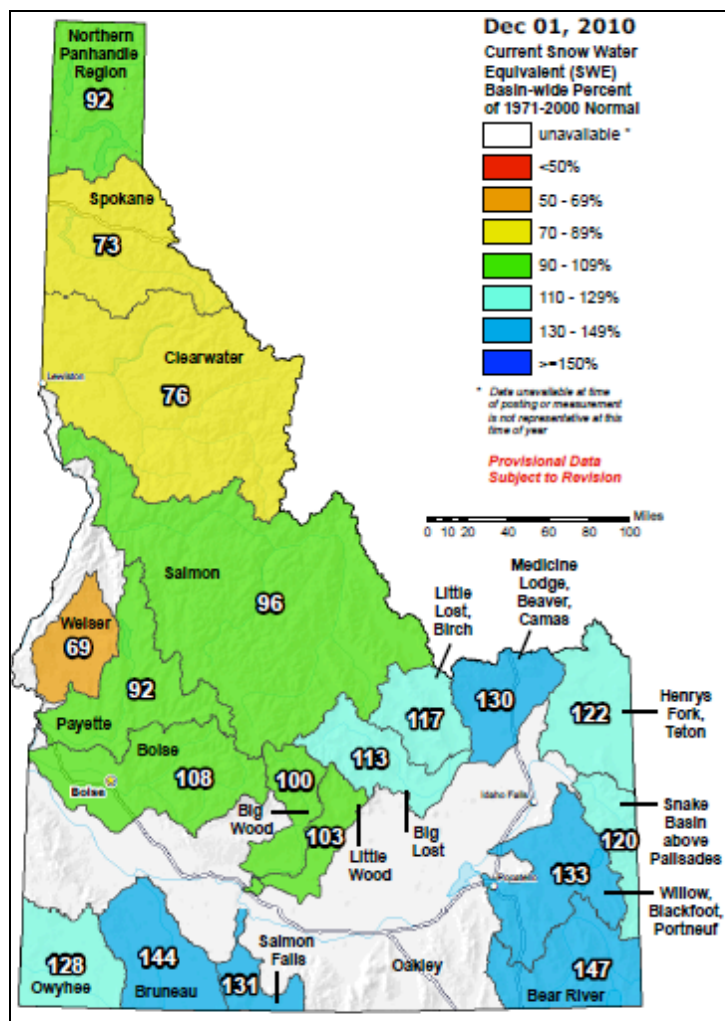
Moist west to southwest flow developed on the 18th and 19th ahead of a strong low pressure system. This storm brought moderate to heavy snow to the HSA and blizzard conditions on the 22nd and 23rd. Wind gusts of 50 to 60 mph buffeted the area. Snowfall totals of 1 to 3 feet occurred in the mountains from the evening of the 21st through the afternoon of the 23rd. Cold northwest flow behind this system brought some light snowfall to the area for a couple of days along with well below normal temperatures.. Another cold trough affected the area on the 27th and 28th dumping significant snow in the mountains and moderate to heavy snow and rain across low elevations. Record snowfall of 7 inches occurred at the Pocatello airport on the 28th. The month ended with scattered light precipitation falling across the HSA under northwest flow.

Flooding

November 22: In Fremont County a canal overtopped its banks and flooded about 4 acres south of St. Anthony. Three structures were threatened. According to Fremont County Emergency Services it was minor nuisance flooding.

Other Hydrologic Interests

Precipitation



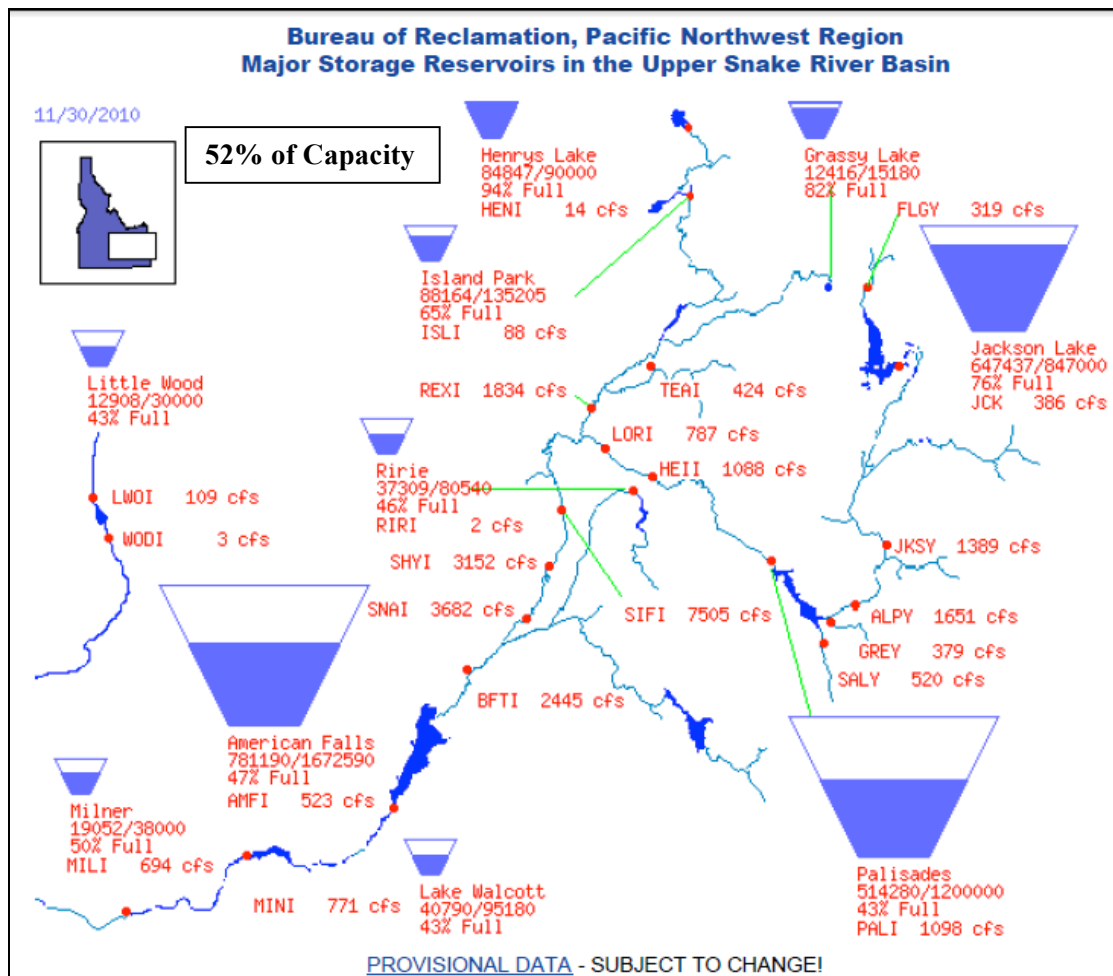
Daily Precipitation Records		
Station	New Record	Previous Record
Pocatello ASOS	Nov. 8 - .72"	.63" – 2002
Pocatello ASOS	Nov. 28 - .44"	.23" - 1985
Pocatello WFO	Nov. 28 - 7" snow	2.8" snow - 1985
Idaho Falls ASOS	Nov. 8 - .49"	.26" – 1973
Idaho Falls ASOS	Nov. 20 - .60"	.22" – 1963

Monthly Precipitation Records		
Station	New Record	Previous Record
Arco Airport	1.98"	1.88" - 1981
Bern	2.83"	2.46" - 1995
Blackfoot F.D.	2.82"	2.16" - 1983
Driggs	3.78"	2.75" - 1988
Pocatello 2 NE	2.22"	2.11" - 1958
Spencer	2.79"	1.76" - 1954
Tetonia	5.03"	2.46" - 2005

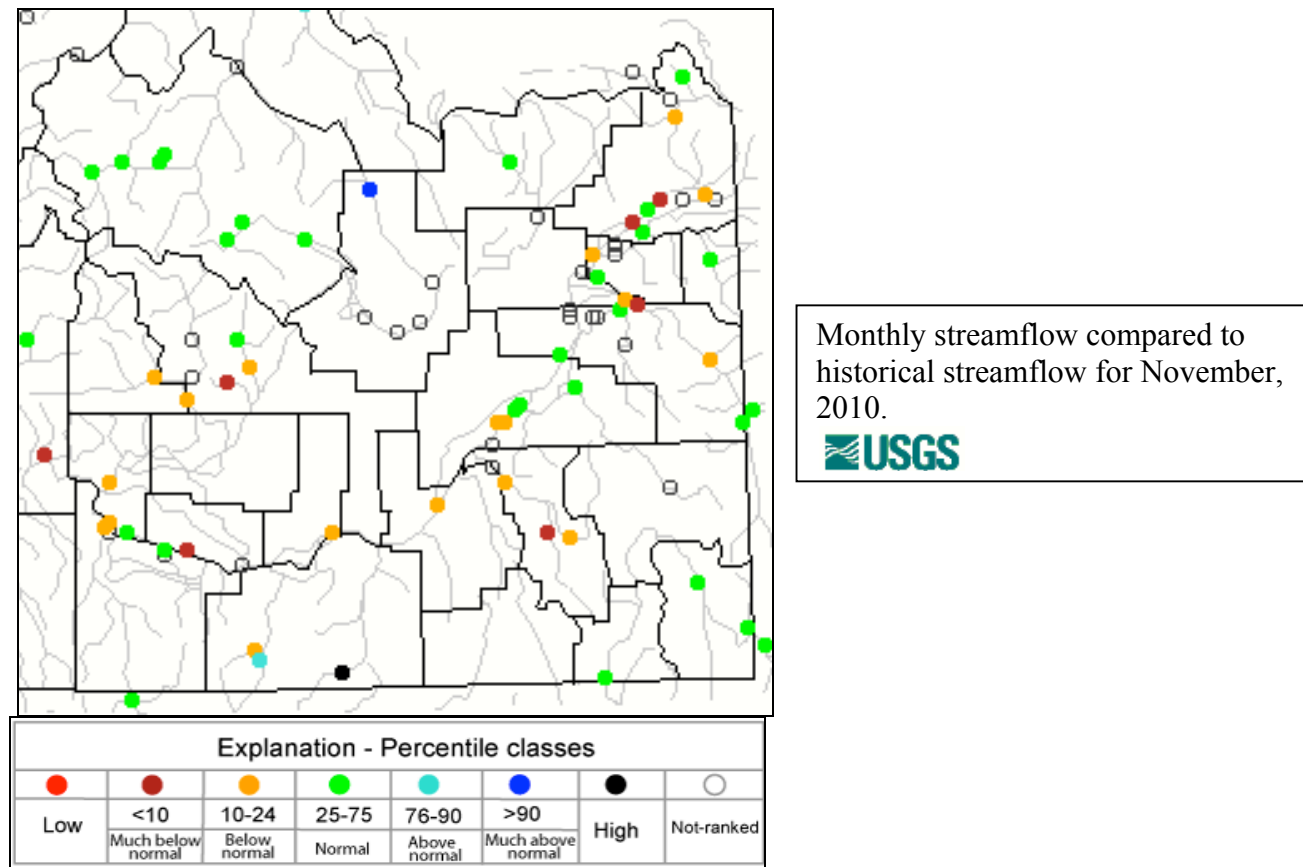
Reservoirs

Reservoir	% Capacity Oct. 31 ³	% Capacity Nov. 30 ⁴	Percent Change	% of Average ⁴	% of Last Year ⁴
American Falls	33	47	14	95	76
Bear Lake	35	35	0	54	95
Blackfoot	n/a	54	n/a	90	102
Henry's Lake	91	94	3	105	101
Island Park	52	65	13	100	84
Little Wood	33	43	10	115	80
Mackay	51	62	11	150	105
Magic	37	40	3	103	106
Oakley	14	17	3	54	63
Palisades	43	51	8	70	70
Ririe	46	46	0	115	104
Lake Walcott	42 ¹	43 ²	1	n/a	n/a
Milner	51 ¹	50 ²	-1	n/a	n/a

Source: (1) US Bureau of Reclamation (BOR) Nov. 1, 2010; (2) BOR Nov. 30, 2010;
(3) NRCS Oct. 31, 2010; (4) NRCS Nov. 30, 2010.



Streamflow



November, 2010 Hydrologic Product Summary

Product	Number Issued
Flood Watch for Flash Flooding	0
Flash Flood Warning	0
Flash Flood Statement	0
Urban and Small Stream Flood Advisory	0
Flood Watch for Flooding	0
Flood Warning	0
Flood Statement	0
Flood Advisory	0
Hydrologic Statement	0
Hydrologic Outlook	0
Water Supply Outlook	0

cc: Dave Streubel, Western Region HCSD
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